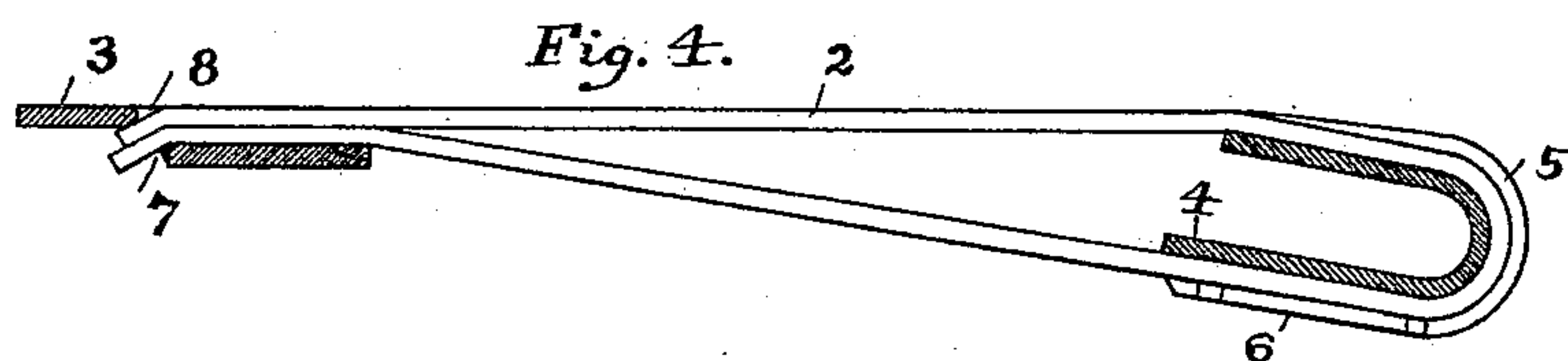
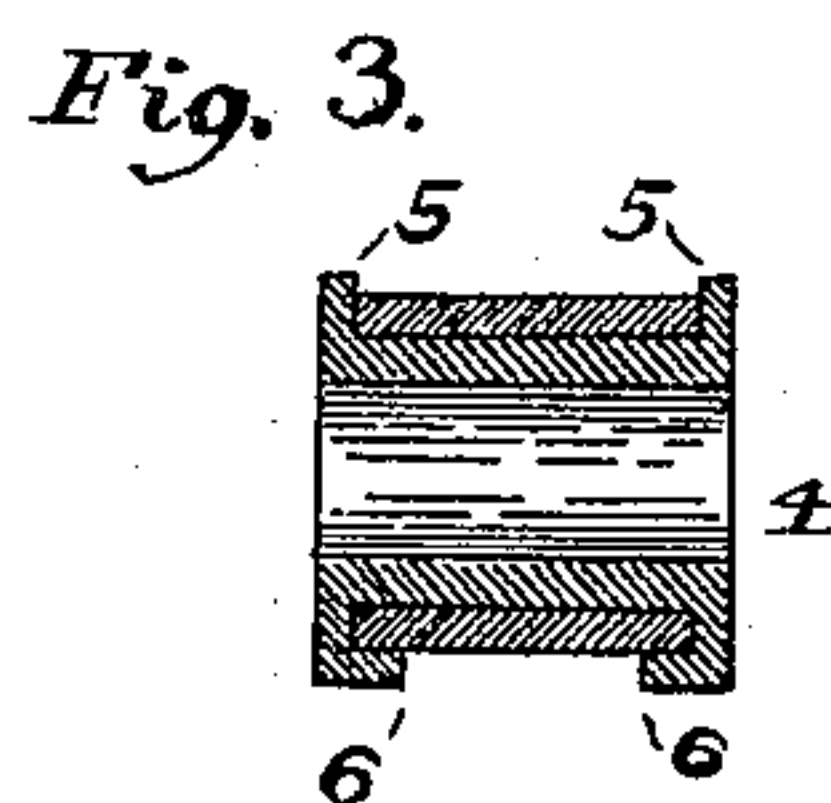
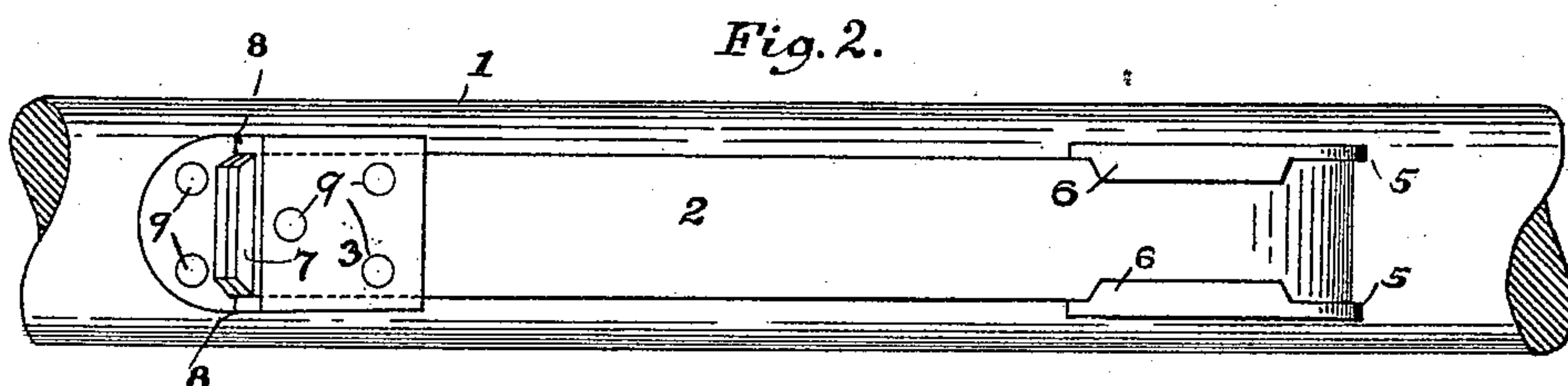
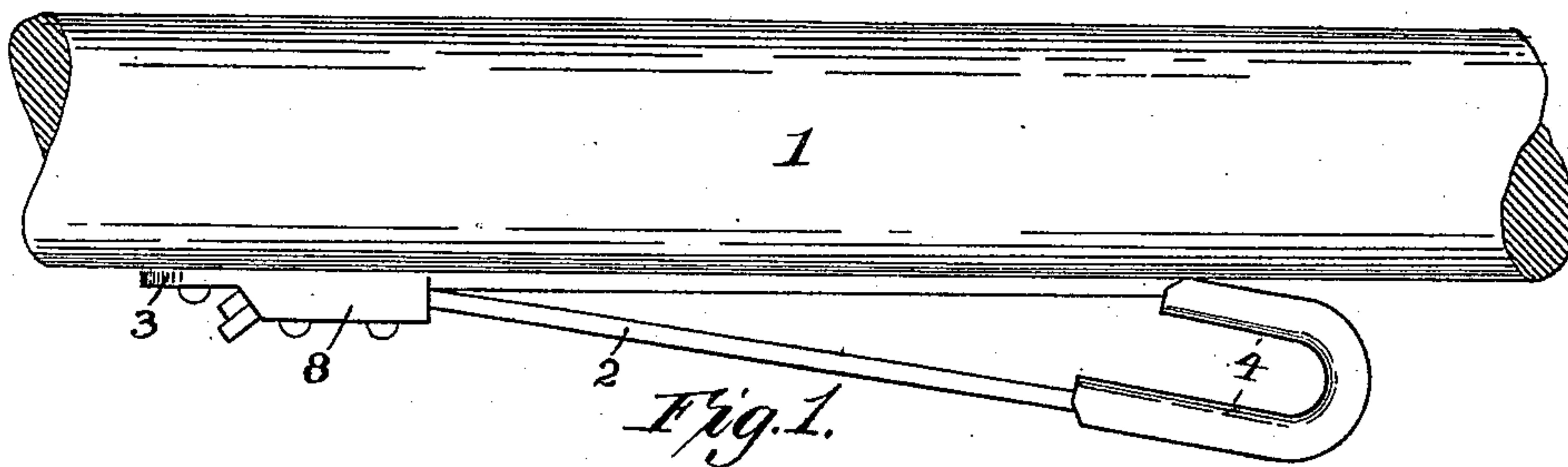


(No Model.)

W. T. TERRY.
HOLDBACK FOR VEHICLES.

No. 470,313.

Patented Mar. 8, 1892.



Witnesses
A. H. Norris,
Robert Couett.

Inventor
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By
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Atty.

UNITED STATES PATENT OFFICE.

WILLIAM T. TERRY, OF NORTH ADAMS, MASSACHUSETTS, ASSIGNOR OF
ONE-HALF TO A. A. LEE, OF SAME PLACE.

HOLDBACK FOR VEHICLES.

SPECIFICATION forming part of Letters Patent No. 470,313, dated March 8, 1892.

Application filed June 9, 1891. Serial No. 395,732. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM T. TERRY, a citizen of the United States, residing at North Adams, in the county of Berkshire and State of Massachusetts, have invented new and useful Improvements in Holdback Attachments for Thills, of which the following is a specification.

This invention has for its object to provide a novel holdback attachment for thills; and it consists in the features of construction and the combination or arrangement of devices hereinafter described and claimed, reference being made to the accompanying drawings, in which—

Figure 1 is a side elevation of a portion of a thill having my invention applied thereto. Fig. 2 is a bottom plan view of the same. Fig. 3 is a detail transverse sectional view through the leather loop and its protecting shoe-piece, and Fig. 4 is a longitudinal sectional view of the leather loop and its attaching-clip and protecting shoe-piece.

In order to enable those skilled in the art to make and use my invention, I will now describe the same in detail, referring to the drawings, wherein—

The numeral 1 indicates a thill, and 2 a strip of leather, which is formed into a loop and has its extremities attached to the under side of the thill by suitable fastening devices, as hereinafter described. The looped part of the strip of leather is provided with a metallic shoe-piece 4, fitting the internal surface of the leather loop and approximately U-shaped in outline.

The uppermost member of the U-shaped shoe-piece is provided at its opposite edges with upwardly-projecting parallel flanges 5, which extend around the rear curved portion of the shoe-piece and along the edges of the lowermost member thereof. The edge flanges on the lowermost member of the U-shaped shoe-piece are bent laterally toward each other, as in Figs. 2 and 3, to form longitudinal lips 6, which underlie the under surface of the looped part of the leather strip. The continuous edge flanges 5 bear against the opposite edges of the leather loop, while the later-

ally-projecting lips 6 underlie the lower surface of the leather loop, and consequently the shoe-piece is securely retained in position within the looped portion of the leather strip. At the same time the shoe-piece is not rigidly attached to the leather strip, the object of which is to enable the shoe-piece to be adjusted along the length of the leather strip, as conditions may require, for adjusting and attaching the leather loop to the thill. This is an important feature, in that if the leather strip becomes broken at its attached extremities or at some other point in proximity thereto the leather strip may be reattached to the leather thill and the shoe be quickly introduced and adjusted to accommodate itself to the length of the leather remaining after the leather loop has been reattached, as explained.

It will be obvious that by constructing the shoe-piece as described and adapting it to permit the sliding movement of the leather strip the latter can be renewed when circumstances require, and thus the shoe-piece can be used for a great length of time.

The shoe-piece may be made of iron, brass, or any other material suitable for the conditions required, and it guards and protects the internal surface of the loop, so that a strap passed therethrough and engaged with the loop will be prevented from wearing and injuring the leather strip, as all friction is directly against the inner surface of the metallic shoe-piece.

I have exhibited my invention as applied to the leather loop, which constitutes the holdback attachment of a thill; but obviously the latter loop may be used for other purposes. The extremities of the leather strip 2 are attached to the under side of the thill through the medium of a metallic clip 3, formed with an orifice 7 and side flanges 8, so that the end portions of the loop can be embraced by the side flanges 8, while the extremities of the strip are passed through the orifice 7. The clip is secured by means of screws or nails 9, some of which pass through the leather strip, and thus the latter is rigidly attached to the thill. The passage of the extremities of the strip through the orifice 7 causes the edges of

the latter to exert a more or less bighting action on the strip, and thus aids in firmly securing the latter in position.

Having thus described my invention, what
5 I claim is—

A holdback attachment for thills, consisting of a looped strap 2, the metallic clip 3, adapted to be secured to the thill and having the side flanges 8 and orifice 7, through which
10 the extremities of the looped strap extend, and the slidable approximately U-shaped flexible shoe-piece arranged in the loop of the

strap and having its opposite edges provided with projecting flanges to bear against the side edges of the strap, substantially as described. 15

In testimony whereof I have hereunto set my hand and affixed my seal in presence of two subscribing witnesses.

WILLIAM T. TERRY. [L. S.]

Witnesses:

CHARLES N. BENEDICT,
ARTHUR C. BOUCHARD.